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Towards conceptual clarity for NAMAs

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NAMA Partnership brainstorming

By UNFCCC coordinated webinar, Wednesday 22 May 2013, 9 AM & 16 PM
CET

Outline:

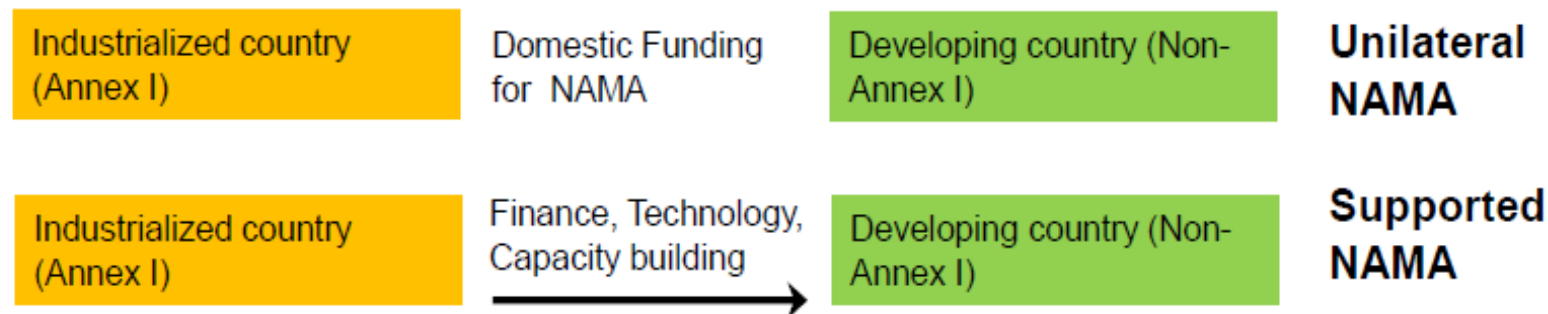
- The NAMA conceptual un-clarity
- Towards a clarification - distinguish between different concepts of NAMAs
- Questions for discussion



The NAMA conceptual un-clarity

What is a NAMA?

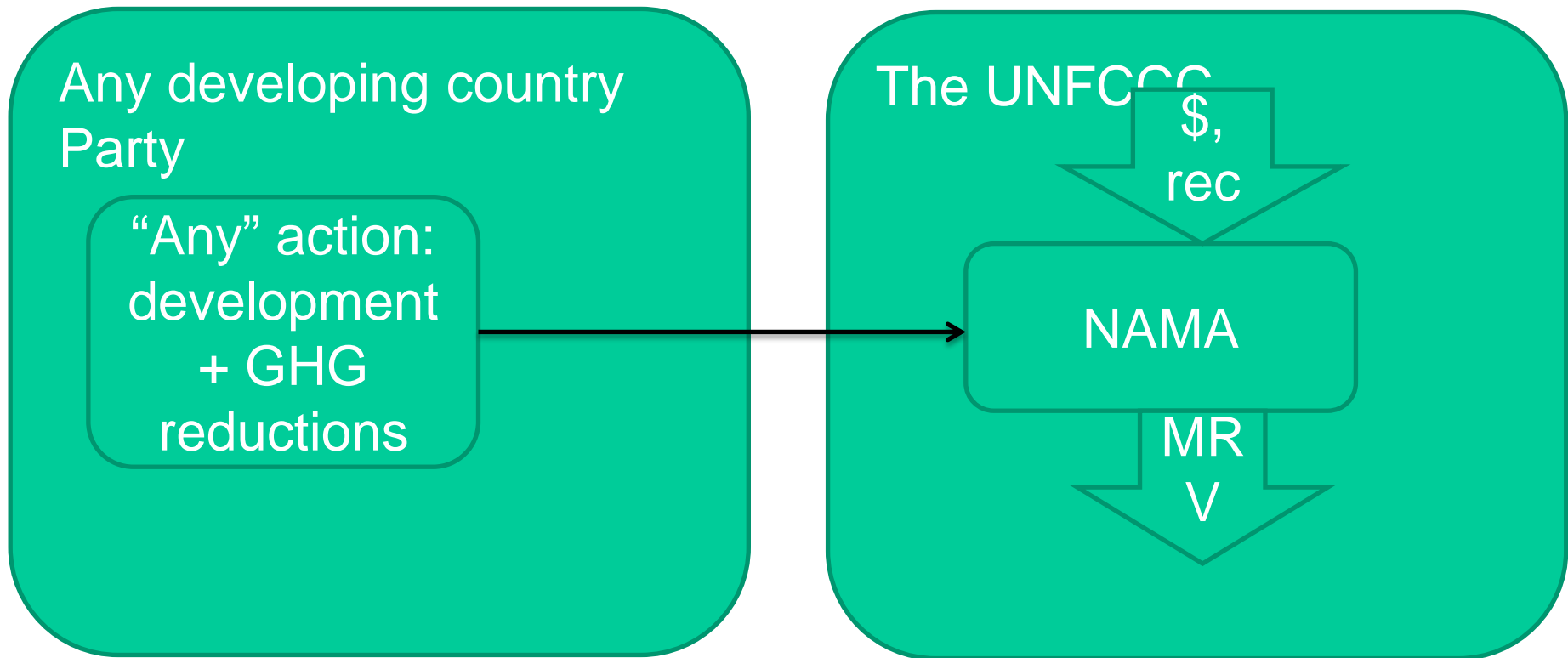
No internationally agreed upon definition exists; however **2 categories** have emerged:



At a later stage, carbon markets may also be a mechanism in the long run to attract resources for NAMAs. The role of carbon markets in financing NAMAs is under discussion among various stakeholders and includes the concept of **credited NAMAs**. However, this concept is neither used in any of the official documents nor has it yet been formally established.

Source: GIZ NAMA Tool, 2013

In practice: a tag



Source: NAMA Partnership webinar, 22 May

Avenues

- Political: “pledges”, e.g. Copenhagen Accord, and INF.12
- Technical/implementation: individual NAMAs, e.g. under the registry

Source: NAMA Partnership webinar, 22 May

The un-clarity

- National goals for emission reductions and/or sustainable development have been submitted to the UNFCCC Secretariat by 55 Non-Annex 1 Parties and may be termed *Political NAMAs or Pledges*
- Actions to achieve the national mitigation or SD goals have been submitted to the UNFCCC Registry for support or recognition and may be termed *Individual NAMAs*
- The un-clarity consists of a lack of commonly agreed concepts/definitions to describe the diversity of NAMAs including, how to distinguish between NAMAs as national mitigation goals and NAMAs as individual actions

Towards a clarification

Understanding the diversity of NAMAs

SBI Work Programme

- COP at Doha established a work programme to further the understanding of the diversity of NAMAs submitted to UNFCCC.
- An in-session workshop will be organized during the SBs in June.
- This is the continuation of the process of clarification of pledges that the COP established in Cancun.
- A **new INF** document containing all the NAMAs submitted to date has been made available for the upcoming SB session here:
http://unfccc.int/documentation/documents/advanced_search/items/6911.php?priref=600007348

Source: UNFCCC presentation on 'Status of negotiations on NAMAs', Lesotho 16-19 April 2013

UNEP Pledge Pipeline

— Pledges/National mitigation goals

Pledge from Wikipedia, may refer to:

- A promise similar to an oath
- A promise to donate funds, as in a pledge drive

Country or Group of Countries	Historic GHG Source	1990 MCO2eq		2005 MCO2eq		2010 MCO2eq		2020 MCO2eq		2020 GtCO2eq with reductions		Base year of the pledge	GHG emission in the Base year of the pledge GtCO2eq LULUCF	GHG emission in the Base year of the pledge GtCO2eq LULUCF	Pledges for 2020 compared to base year(%)	Pledges for 2020 compared to 1990 (%)	2050 GtCO2 BAU	2050 GtCO2eq with reductions	Pledges for 2050 compared to base year(%)					
Non-Annex I countries Major developing countries and countries with Mitigation Pledges officially announced	UNFCCC data or:	17418.89	16399.45	27029.50	24539.89	31816.41	28938.74	38016.20	34334.70	34.813	33.627						72.961	33.778	78.052	76.014				
Antigua and Barbuda	UNFCCC, GHG data	1990	8266.3	7689.3	14984.7	12991.4	19688.6	16821.7	27987.2	24311.7	24.784	23.604			0.0004	-25.0%	-25.0%	43.064	5.919	48.154	48.154			
Brazil	2010: GAP3 averages	1990	1389.1	576.5	2191.9	862.8	2478.0	1174.0	3236.0	1832.0	2.068	1.977	1990	3.24		-36.1%	-38.9%	49%	42%	2.753	2.753	2.753	0%	0%
China PR	2005 (2nd national comm) & 2010: GAP3 averages	1994	3650.1	4057.6	7046.3	7467.1	10101.0	10268.0	14280.0	13838.0	13.561	13.561	2020		13.838	-2.0%	-2.0%	234%	234%	29.849	29.849	29.849	0%	0%
Costa Rica	2nd National Communication		8.5	6.1	8.6	12.1	10.0	13.0	14.0	18.0	0.000	0.000	2020		0.000	0.0%	0.0%	-100%	-100%	0.000	0.000	-100%	-100%	
India	2005 & 2010: GAP3 averages, 2nd NC	1994	1228.5	1214.2	2007	1771.7	2400.0	2600.0	4600.0	4600.0	4.370	4.232	2020	4.600		-5.0%	-8.0%	260%	249%	9.025	9.025	9.025	0%	0%
Indonesia	2005 & 2010: Indonesia's 2nd National Communication		464.6	266.8	1791.4	1946.7	2500.0	2600.0	4600.0	4600.0	2.183	1.741	2020	2.950		-26.0%	-41.0%	781%	552%	2.913	2.913	2.913	0%	0%
Israel	UNFCCC, GHG data	1996	62.7	63.1	73.3	73.7	75.0	75.4	107.0	108.0	0.086	0.086	2020		0.11	-20.0%	-20.0%							
Kazakhstan	UNFCCC, GHG data	1990	360.1	360.1	219.0	234.3	256.7	262.7	290.0	290.0	0.247	0.247	2020		0.290	-15.0%	-15.0%	-32%	-32%	0.218	0.218	-25%	-25%	
Maldives	UNFCCC, GHG data	1994	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.000	0.000	2020				-100%	-100%	0.000	0.000	-100%	-100%		
Marshall Islands	UNFCCC has no data																							
Mexico	2010: GAP3 averages	2006	425.3	425.3	711.7	641.4	691.0	672.0	881.7	881.7	0.882	0.817	2020		0.882	0.0%	-30.0%	107%	45%	2.239	1.120	1.120	-50%	-50%
Moldova	UNFCCC, GHG data		41.2	42.9	10.5	11.9	12.5	12.5	20.0	20.0	0.032	0.032	1990		0.043	-25.0%	-25.0%							
Papua New Guinea	UNFCCC, GHG data	1994	4.6	5.0			0.003	0.003	0.003	0.003	0.003	0.003	1990	0.005		-50.0%	-50.0%			0.000	0.000			
Samoa	UNFCCC, GHG data, 2nd National Communication	1994	0.5	0.6			2007	-0.4	0.4	0.000	0.000								0.000	0.000				
Singapore	2010: GAP3 averages	1994	26.9	26.9	38.8	38.8	40.0	40.0	74.0	74.0	0.062	0.062	2020		0.074	-16.0%	-16.0%	131%	131%	0.074	0.074	0%	0%	
South Africa	2005, 2010, 2020 BAU: GAP3 averages		330.4	347.3	583.0	466.0	560.0	396.0	721.5	637.0	0.722	0.476	2020	0.722		0.0%	-34.0%	108%	37%	1.278	1.278	0%	0%	
South Korea	3rd National Communication		273.3	296.4	537.9	570.3	564.7	607.6	813.0	813.0	0.569	0.569	2020		0.813	-30.0%	-30.0%	92%	92%	0.927	0.927	0.927	0%	0%

The Pledge Pipeline is available here: www.unep.org/climatechange/pledgepipeline

The UNEP Emission Gap Report is published annually with input from the UNEP Risø Pledge Pipeline

Individual NAMAs submitted to UNFCCC Registry

- NAMA seeking support for preparation
- NAMA seeking support for implementation
- Other NAMAs for recognition
- Information on support for NAMAs

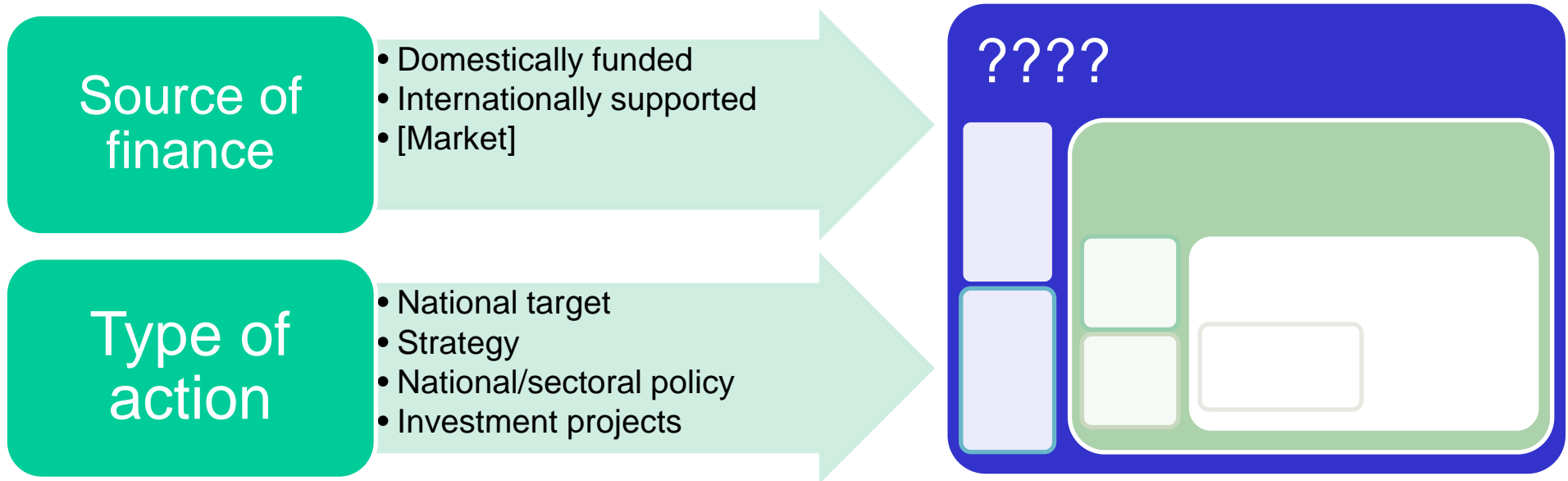
Source: UNFCCC website: http://unfccc.int/cooperation_support/nama/items/6945.php

UNEP Risø NAMA Pipeline – *Individual NAMAs*

ID	Title	Region	Sub-region	Country	Sector	Type	Sub-type	Technical description	NAMA category	Level of implementation	MRV indicators	SD indicators	Emission reduction goal
NAMA0200	NAMA in Renewable Energy and	Africa	West Africa	Mali	EE & Renewable energy	EE+Solar+Wind+Hydro		A list of 14 activities	External support for preparation	Seeking Support			
NAMA0201	NAMA in the Forestry sector	Africa	West Africa	Mali	Forests	Afforestation+Reforestation		A list of 10 activities	External support for preparation	Seeking Support			
NAMA0202	Interurban Electric Rail NAMA	Africa	East Africa	Ethiopia	Rail: electrification	Cargo transport		50% of road cargo	External support for preparation	Seeking Support			
NAMA0203	Clean Production Agreements in Chile	Latin America	South America	Chile	All	All		74 CPA signed + 10 new/yr until 2020	For recognition	Ongoing			
NAMA0204	Implementation of a National Forestry and Climate Change Strategy, including the development and	Latin America	South America	Chile	Forests	Afforestation+Reforestation			External support for implementation	Seeking Support	Being developed together with REDD+ & FCPF		
NAMA0205	Sustainable production with low-emission technologies in agriculture	Latin America	South America	Uruguay	Agricultural waste	Biomass energy			External support for preparation	Seeking Support			
NAMA0206	Sustainable Housing Programme	Latin America	South America	Uruguay		EE lighting+Solar water heaters		60 m2 houses for 3 persons	External support for preparation	Seeking Support		Target: Lower income families	
NAMA0207	High Integration Program of Wind Energy	Latin America	South America	Uruguay	Wind	Wind			External support for preparation	Seeking Support			20% of electricity from wind in 2015
NAMA0208	First introduction of Photovoltaic Solar Energy in the national electrical grid.	Latin America	South America	Uruguay	Renewable energy	Solar	Solar PV	Two plants	External support for implementation	Seeking Support	National Statistics		200 MW of solar in 2020
NAMA0209	LNG Terminal with regasification capacity of 10.000.000m3/d of natural	Latin America	South America	Uruguay	Natural gas supply	LNG terminal			For recognition	Under implementation	National Statistics		
NAMA0210	Promotion of renewable energy participation in the Uruguayan primary	Latin America	South America	Uruguay	Renewable energy	Biofuels, Biomass, Wind, Solar			For recognition	Ongoing	National Statistics		55% of energy supply is from renewables in 2015
NAMA0211	Sustainable Urban Transport Initiative	Asia & Pacific	Southeast Asia	Indonesia	Transport	Public transport, traffic management, EE, alternative fuels, non-			External support for implementation	Design of local plans ongoing	km of biking lanes, travel speed, network coverage etc	Air-quality, Accessibility, Equity, Road safety, City livability	Urban Transport emissions 15% below BAU in 2020 in the pilot cities
NAMA0212	Expanding self-supply renewable energy systems (SSRES) in Chile	Latin America	South America	Chile	Renewable energy in Industry, Agriculture and Commercial	Bioenergy, Hydro, Wind, Geothermal, Solar & Tidal			External support for implementation	NAMA still under design	Emission reduction worksheets for each unit	Jobs, private sector leveraging	Contribute of Chiles pledge of 20% below 2020 emissions
NAMA0213	Supporting Implementation of 100% Renewable Electricity by 2020	Asia & Pacific	Pacific	Cook Islands	Renewable energy	Bioenergy, Wind, Solar + EE			External support for implementation	Seeking Support	% electricity from diesel replaced by renewables	Local air pollution reduction, leaks of diesel from storage	100% renewable electricity by 2020 with a phased-in implementation plan that achieves 50% by 2015
NAMA0214	National Program for Catalyzing Industrial and Commercial Organic	Latin America	South America	Chile	Agroindustry, Fisheries, livestock, services	Wine, fruits, crops, salmon, poultry, pigs, pruning, food		Five organic waste management facilities to Pilot projects for steam & hot water for laundry, swimming pools,	External support for implementation	Seeking Support	Biogas/ton waste, energy/ton waste	Jobs created, critical environment episodes	Contribute of Chiles pledge of 20% below 2020 emissions
NAMA0215	Tourism and Waste in the Dominican Republic	Latin America	Caribbean	Dominican Republic	High-density touristic areas	Biomass energy	Shrub clippings & separated waste		External support for implementation	A feasibility study is already done			

Source: UNEP Risø NAMA Pipeline, 1 April 2013 – www.namapipeline.org

Typologies



Source: NAMA Partnership webinar, 22 May

NAMA typology of actions

Renewable Energy	Biomass	Solid residues	Mustard crop residues
			Other agricultural residues
			Rice husk
			Bagasse power
			Other forest residues
			Sawmill waste
			Palm oil solid waste
		Liquid residues	Poultry litter
			Black liquor
			Domestic manure
			Industrial waste
			Livestock manure
			Palm oil waste
			Wastewater
		Fuel production	Biodiesel
			Biomass briquettes
			Charcoal production
			Gasification of biomass
			Forest biomass
		Other	Switch from fossil fuel to piped biogas
			Stoves
	Hydro		Existing dam
			Higher efficiency hydro power
			New dam
			Run of river
	Wind		Wind
	Solar	PV	Solar PV
			Solar PV water disinfection
		Thermal	Solar thermal
			Solar thermal power
	Geothermal		Solar water heating
			Geothermal electricity
	Tidal		Geothermal heating
			Tidal

Questions for discussion

Discussion

- Is the distinction between Pledges/'Political NAMAs' and Individual NAMAs/actions adequate and useful?
- How can URC contribute to clarify the concept(s) of NAMAs?
- Would it clarify the concepts of NAMAs, if 'pledges' were removed from the URC NAMA Pipeline and *all* pledges - also the 'bla, bla, bla..' NAMAs with no quantifiable ERs –were included in the Pledge pipeline?